Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

No: First and Final Bill

Date.....20

Division: **Byatarayanapura** Sub-Division: **Byatarayanapura Sub Division**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....

Sub Divisional **Work Code: 005-20-000092**

Schedule Docket No. Head of Account: Est.Cost- **400.00 Lakhs**

Name of Work: **Improvements to Roads and RCC Drains at Babanagara Main and Cross Roads, Dwarakanagara and Surrounding Area in Ward No 05.**

Name of Contractor and Full Address: **M/s Sathya Constructions, (Prop) R Satheesh, No:600, Down Bazaar Road, Yelahanka, Bangalore-64**

Date: **07-10-2020**

Reference to Agreement No: **BBMP/EE/BTP/WO/132/2020-21**

Certified that the measurements were taken by me on 25/1/21 and recorded of Pages 35 49 54 - 61 of measurement Book No. 3550 .and that the work is satisfactorily executed.

Contractor **Officer-in-charge of work**

Certified that the measurement were taken by me on 25/1/21 ..and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

II Memorandum of Payment

1) Total value of work done or supplies made as per account within
2) Deduct amount to be held in reserve being .....percent Rs.....
3) " Balance
4) Deduct Payment:
   a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Amount adjusted
   towards cash advance recovery of
   b) Payments Now made { cost store or other material supplied. / recovery of amount creditable to this/other work / Amount paid on this bill Cheque / Cash.
5) Balance being unpaid value of work done held in reserve.
6) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments. unadjustments items.
7) Net amount due to or from Contractor
8) Advance to Contractor for materials brought to site (as detailed) within.
9) Value of Government materials supplied.

Total amount adjusted -

Contractor's Signature

Received Rs..... (in words).....
.....
by cash and by adjustment of Payment as per memorandum (in final settlement of all demands)

(For use in the Office)

Witness
1.
2.

Stamp

Dated Signature of Contractor
Paid by me by Cheque No.....Dated.....
Cash Rs.....
Dated.....

Initials of Officer making payment

Executive Engineer

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- Improvements to Roads and RCC Drains at Babanagara Main and Cross Roads, Dwarakanagara and Surrounding area in Ward No.05

Client	M/s Sathya Constructions (prop)R Satheesh No:600,Down bazaar Road, Yelahanka, Bangalore-64.

ABSTRACT

Item no	Description of work	Unit	Approved tender Qty and rates			Previous			Present			Total Upto Date	
			Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
1	Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cementconcrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all liftsas per specifications. iii)Dismantling Stone Masonry. B.	Cum	19.26	463.95	8934	0	463.95	0	5.63	463.95	2611.11	5.63	2611.11
2	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications and directions of the Engineer in charge.5km lead= 57+2.0x1.28x5 =69.80	Cum	3730.58	217.98	813191	0	217.98	0	3312.27	217.98	722008.99	3312.27	722008.99
3	Providing and laying Plain cement concrete of mix1:3:6 with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days Including cost of materials,labour, HOM curing form work, Scaffolding and Centering complete as per Specification and directions of the Engineer in charge	Cum	554.85	5693	3158735	0	5693.00	0	549.65	5693.00	3129182.78	549.65	3129182.78
4	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc.,Complete Excluding cost of Steel as per morth MORTH specification No. 1500, 1700, 2200. Including Cost of material, Labour, HOM complete as per Specification-WALL & Bottom thickness 15Cm.complete as per Specification and directions of the Engineer in charge	Cum	1139.51	7423.71	8459355	0	7423.71	0	1068.59	7423.71	7932912.29	1068.59	7932912.29
5	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery. MORTH Specification NO.1600&2200 ,complete as per Specification and directions of the Engineer in charge	tonne	80.44	75943.33	6108589	0	75943.33	0	75.37	75943.33	5723948.30	75.37	5723948.30

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Item no	Description of work	Unit	Approved tender Qty and rates			Previous			Present			Total Upto Date	
			Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
6	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (Data Rate)complete as per Specification and directions of the Engineer in charge	Sqm	3159.90	2451.75	7747285	0	2451.75	0	2943.16	2451.75	7215897.43	2943.16	7215897.43
7	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete as per Specification and directions of the Engineer in charge	Sqm	93.81	5688.90	533676	0	5688.90	0	60.47	5688.90	344007.78	60.47	344007.78
8	Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301Loading and unloading with 10km lead ,complete as per Specification and directions of the Engineer in charge (Qty Upto 125%)	Cum	170.14	59.07	10050	0	59.07	0	212.68	59.07	12562.71	212.68	12562.71
	Qty Above 125%	Cum							206.39	59.06	12189.75	206.39	12189.75
9	Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by road roller attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM of machineries complete as per Specification and directions of the Engineer in charge (Qty Upto 125%)	Sqm	3267.05	43.41	141823	0	43.41	0	4083.81	43.41	177278.30	4083.81	177278.30
	Qty Above 125%	Sqm							549.73	43.40	23857.58	549.73	23857.58
10	Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per Specification and directions of the Engineer in charge (Qty Upto 125%)	Sqm	3267.05	6.68	21824	0	6.68	0	4083.81	6.68	27279.87	4083.81	27279.87
	Qty Above 125%	Sqm							549.73	6.68	3672.20	549.73	3672.20
11	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per Specification and directions of the Engineer in charge (Qty Upto 125%)	Cum	490.06	2094.67	1026509	0	2094.67	0	612.58	2094.67	1283142.48	612.58	1283142.48
	Qty Above 125%	Cum							82.46	2094.27	172685.67	82.46	172685.67

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Item no	Description of work	Unit	Approved tender Qty and rates			Previous			Present			Total Upto Date	
			Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
12	Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired densitycomplete as per Specification and directions of the Engineer in charge (Qty Upto 125%)	Cum	921.56	2101.34	1936519	0	2101.34	0	1151.95	2101.34	2420638.61	1151.95	2420638.61
	Qty Above 125%	Cum							332.83	2100.94	699257.11	332.83	699257.11
13	Cleaning the existing WBM Road surface including removing of binding materials and other foreign matter with wire brushes and small picks sweeping with brooms or soft brushes and finally dusting with old gunny bags and bar or compressed air to receive bituminous treatment including cost of all materials, labhour, HOM of machineriescomplete as per Specification and directions of the Engineer in charge (Qty Upto 125%)	Sqm	4006.80	23.37	93639	0	23.37		5008.50	23.37	117048.65	5008.50	117048.65
	Qty Above 125%	Sqm							1447.04	23.37	33817.32	1447.04	33817.32
14	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical meanscomplete as per Specification and directions of the Engineer in charge (Qty Upto 125%)	Sqm	4868.72	30.05	146305	0	30.05	0	6085.90	30.05	182881.30	6085.90	182881.30
	Qty Above 125%	Sqm							731.05	31.16	22777.96	731.05	22777.96
15	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen, complete as per Specification and directions of the Engineer in charge (Qty Upto 125%)	Cum	244.64	6927.31	1694668	0	6927.31	0	305.80	6927.31	2118371.40	305.80	2118371.40
	Qty Above 125%	Cum							35.05	6726.80	235756.13	35.05	235756.13
16	Cleaning the existing black topped surface with brooms,soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials,labhour, HOM of machineries complete as per Specification and directions of the Engineer in charge	Sqm	9013.15	5.57	50203	0	5.57		7061.72	5.57	39333.80	7061.72	39333.80

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Item no	Description of work	Unit	Approved tender Qty and rates			Previous			Present			Total Upto Date	
			Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount
17	Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per Specification and directions of the Engineer in charge	Sqm	9013.15	13.35	120326	0	13.35	0	7061.72	13.35	94274.00	7061.72	94274.00
18	Providing and laying Bituminous Concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment , rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications.Clause 507 of MORTH V revision as per IRC SP-53-2015 - using 40-60 TPH capacity HMP with mechanical Paver, Gr-II (30-45mm) with 5.4 % of modified bitumen binder consisting of 4.97% VG- 30 bitumen (60/70 grade) 0.43% Plastomeric Thermoplastics (Waste plastic Additive) complete as per Specification and directions of the Engineer in charge	Cum	360.42	8141.60	2934379	0	8141.60		282.47	8141.60	2299748.96	282.47	2299748.96
19	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per Specification and directions of the Engineer in charge	Sqm	336.30	477.39	160546	0	477.39	0	245.60	477.39	117247.94	245.60	117247.94
	Total				**35166556**						**35164390.42**		**35164390.42**
	GST 12%				**4219986.66**						**4219726.85**		**4219726.8**
	Total Amount				**39386542**						**39384117.27**		**39384117.27**

Contractor

Assistant Engineer

Assistant Executive Engineer

Executive Engineer

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